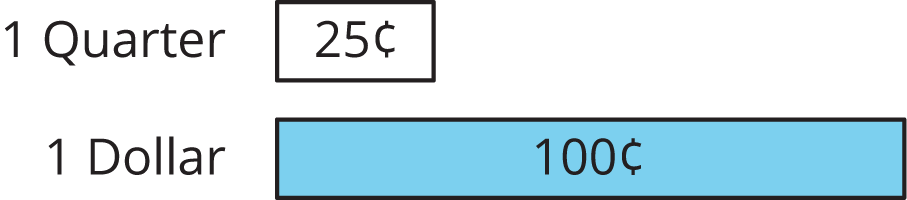
## Unit 3, Lesson 10: What Are Percentages?

Let’s learn about percentages.

The value of a quarter is 25% of the value of a dollar because there are 25 cents for every 100 cents.

* 

1. Write the name of the coin that matches each expression.

|  |  |  |  |
| --- | --- | --- | --- |
| **expression** | **coin** | **expression** | **coin** |
| 25% of a dollar |  | 100% of a dollar |  |
| 5% of a dollar |  | 10% of a dollar |  |
| 1% of a dollar |  | 50% of a dollar |  |

1. The value of 6 dimes is what **percent** of the value of a dollar?
2. The value of 6 quarters is what **percent** of the value of a dollar?

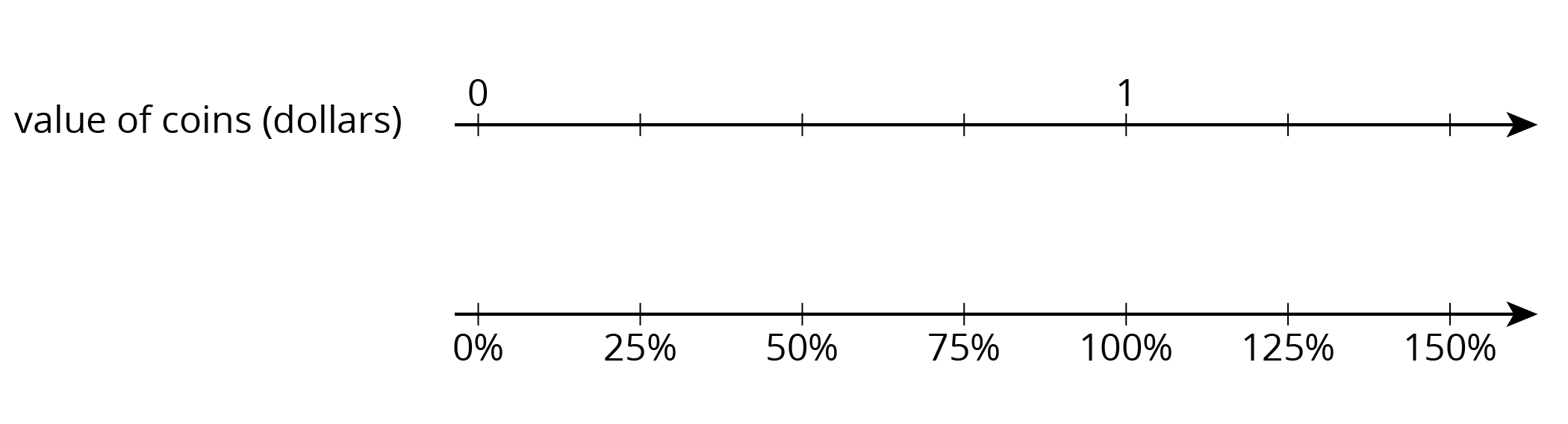
#### Are you ready for more?

Find two different sets of coins that each make 120% of a dollar, where no type of coin is in both sets.

### 10.3: Coins on a Number Line



A $1 coin is worth 100% of the value of a dollar. Here is a double number line that shows this.

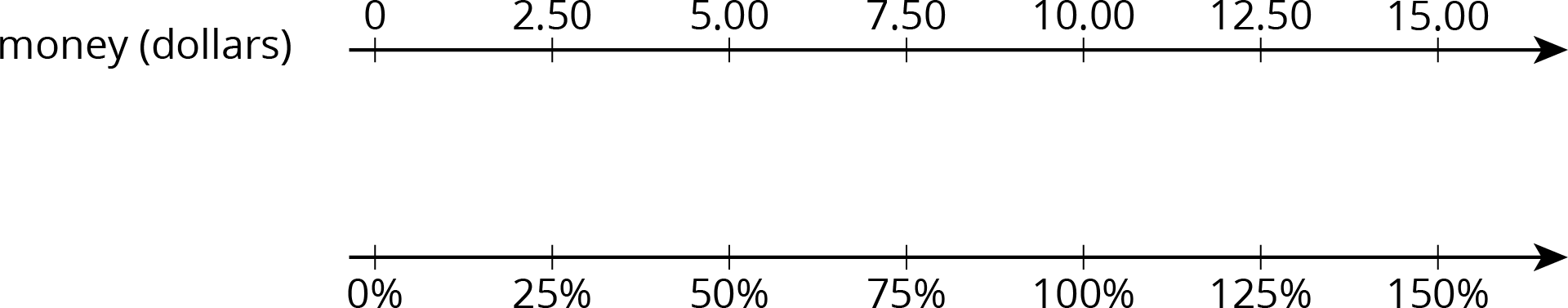


1. The coins in Jada’s pocket are worth 75% of a dollar. How much are they worth (in dollars)?
2. The coins in Diego’s pocket are worth 150% of a dollar. How much are they worth (in dollars)?
3. Elena has 3 quarters and 5 dimes. What percentage of a dollar does she have?

### Lesson 10 Summary

A **percentage** is a *rate per 100*.

We can find percentages of $10 using a double number line where 10 and 100% are aligned, as shown here:



Looking at the double number line, we can see that $5.00 is 50% of $10.00 and that $12.50 is 125% of $10.00.

### 

### Lesson 10 Glossary Terms

* percent
* percentage